

# Southwest Detroit Lighthouse Charter Academy Water Sampling Lead Analysis Report

## 1. INTRODUCTION

## 1.1. GENERAL

This report presents the results of our water sampling performed at the site of Southwest Detroit Lighthouse Charter Academy, 4001 29th, Detroit, MI., on August 22nd, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

# 1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

## 1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Emma Berroa on August 19<sup>th</sup>, 2016.

## 2. SITE INVESTIGATIONS

## 2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

## 2.2 LABORATORY TESTING

## **2.2.1.** General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



Results of the tests indicate that the water is below the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

# 3. DISCUSSIONS AND RECOMMENDATIONS

# 3.1. DISCUSSIONS OF FINDINGS

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted.

Michael Etters Field Scientist Monica Starks, CIEC Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody



# APPENDIX 1 Laboratory Results and Chain of Custody

17800 Woodward Ave Suite 200 Detroit, MI 48203

# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

### ANALYTICAL REPORTS

SAMPLE CODE: 359939 9/9/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Southwest Detroit Community, S-01-BBF-01-P

Source City: Detroit

Source State:MI

Date/Time Received:

9/1/2016 11:12

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed ld # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Anal	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 8/22/2016 06:	58	9/6/2016

These test results may be used for compliance purpose as required.

Analyst Tests JP 200.8

James Abston, Operations Manager

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359939

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(440) 449-2525, Fax: (440) 449-8585

### **ANALYTICAL REPORTS**

SAMPLE CODE: 359940 9/9/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Southwest Detroit Community, S-01-BBF-01-F

Source City: Detroit

Source State:MI

Date/Time Received:

9/1/2016 11:12

Collected by:

M. Etters

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Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
		Inorganic Analy	/tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 8/22/2016 06:5	8	9/6/2016

These test results may be used for compliance purpose as required.

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### ANALYTICAL REPORTS

SAMPLE CODE: 359941 9/9/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Southwest Detroit Community, S-01-WC-02-P

Source City: Detroit

Source State: MI

Date/Time Received:

9/1/2016 11:12

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Analy	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 8/22/2016 06:	58	9/6/2016

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Analyst Tests JP 200.8

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 359942 9/9/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Southwest Detroit Community, S-01-WC-02-F

Source City: Detroit

Source State: MI

Date/Time Received:

9/1/2016 11:12

Collected by:

M. Etters

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			Detected	Sampled	Prepped	Analyzed
		Inorganic Analytes	s - Metals			
1030 Lead	200.8 0.015	mg/L 0.001 l	ND	1 8/22/2016 06:5	58	9/6/2016

These test results may be used for compliance purpose as required.

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## **ANALYTICAL REPORTS**

SAMPLE CODE: 359943 9/9/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Southwest Detroit Community, S-01-CF-03-P

Source City: Detroit

Source State: MI

Date/Time Received:

9/1/2016 11:12

M. Etters

Collected by:

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Not Analyzed

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Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Analy	tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	0.002	1 8/22/2016 06:5	58	9/6/2016

These test results may be used for compliance purpose as required.

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JP	200.8				

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### ANALYTICAL REPORTS

SAMPLE CODE: 359944 9/9/2016

**Customer:** 

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Southwest Detroit Community, S-01-CF-03-F

Source City: Detroit

Source State:MI

Date/Time Received:

9/1/2016 11:12

Collected by:

M. Etters

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		Inorganic Anal	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 8/22/2016 06:	58	9/6/2016

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Analyst Tests JP 200.8

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# **M** National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number:

2077783

359939

Order Date: Sample Number: 05/20/2016

**Product:** 

Sample Paid: No

**Lead Only Payment Method:** 

Sold To:	SR: EF
G. S. Group	For Laboratory Use ONLY
Monica Starks	Lab Accounting Information:
17800 Woodward Ave Detroit MI 48203	Payment \$:
Detroit MI 48203	Check #:
Date Sampled: 8/27/16  Time Sampled 6: 58 Please Use Military Time, e.g. Check Time Zone: DEST CST MST PST Client Name: Southwest Definit Companies 400/29th  Number: 313-782-4422	Lab Comments/Special Instructions:  1. 3.00pm = 15:00
PWS ID# (if applicable): W/4	State Forms:
Sample ID or Source: S-01-BBF-01-	
Source Type: Spring Well Municipal	Lap Sample Imormation:
Other:	Date Neceived. 100 02 3010
City & State: Detroit, Mi. (If Different than Above)	Received By: Mux
Sample Collected By: W.J.D. & (Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By: Michael 574ev (Please Print)	
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# National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# **General Compliance**

Order Number:

Order Date:

2077783

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Sample Number:

05/20/2016 

Product:

**Lead Only** 

Sample Paid: No

**Payment Method:** 

0-14 T	ISK: EF	
Sold To: G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	ЛI 48203	Payment \$:
		Check #:
.a.		Lab Comments/Special Instructions:
Date Sampled : 8 / 22 / 16		
Time Sampled: 06:58 Please U		
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4001 7944		
Number: 313 - 782 -	4422	
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Sample ID or Source: 3-01-1	ANGERSTONIA DE SERVICIO DE COMPANSA DE	Lab Sample Information:
Source Type: Spring Well	Municipal Surface	Date Received: A SEP 0 1/2016
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# **M** National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# **General Compliance**

Order Number:

2077783

Order Date:

05/20/2016

Sample Number:

Product:

**Lead Only** 

Sample Paid: No

Payment Method:

Sold To:	TSR: EF	
G. S. Group Monica Starks		For Laboratory Use ONLY  Lab Accounting Information:
17800 Woodward Ave		
Detroit	MI 48203	Payment \$:
Date Sampled : 용 /간간 내	>	Lab Comments/Special Instructions:
	Please Use Military Time, e.g. 3:00pm = 15:00	
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Client Name: South with 1901 2	st Dotosit Community	
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Sample ID or Source:	01-WC-02-P	Lab Sample Information:
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# **National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# **General Compliance**

Order Number:

2077783

Order Date:

05/20/2016

359942

Sample Number:

**Lead Only** 

Sample Paid: No

**Payment Method:** 

Product:

Sold To:	ISK: Er	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	MI 48203	Payment \$:
		Check #:
		Lab Comments/Special Instructions:
Date Sampled : 8 /22/16		
Time Sampled: 06:58 Ple	ase Use Military Time, e.g. 3:00pm = 15:00	
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Client Name: Southubs	+ Dotrat Community	
4001 8		
Number: 313 - 765	2-4422	
PWS ID# (if applicable):	NA	State Forms:
Sample ID or Source: 5-6	1-WC-07-F	Lab Sample Information:
Source Type: Spring We	II Municipal Surface	Date Received: // SEP 0 1 2016
Other:		Time Received: 11:12
City & State: Detroit	· Mi	Received By: WW
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# **M National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# **General Compliance**

Order Number:

2077783

Order Date:

05/20/2016

Sample Number:

359943

Product:

**Lead Only** 

Sample Paid: No

Payment Method:

TSR: EF

Sold To:	ion; er	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave	B#I 40000	Payment \$:
Detroit	MI 48203	Check #:
		Lab Comments/Special Instructions:
Date Sampled : 8 / 22 / 16		
Time Sampled 06:58 Ple		
Check Time Zone: EST CST	]MST   PST	
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4001 28		
Number: 313-78	2-4422	
PWS ID# (if applicable):	W/hs	State Forms:
Sample ID or Source: S-01-	- CF-03-P	Lab Sample InformationSEP 0 1 2016
Source Type: Spring We	II Municipal Surface	Date Received:
Other:		Time Received: 11:12
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Sample Collected By:		Sample receipt criteria thecked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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Clary !		

# **National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number:

2077783

Order Date:

05/20/2016 359944

Sample Number:

Product:

**Lead Only** 

Sample Paid: No

Payment Method:

TSR: EF

Out Tax	10/11	
Sold To: G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave		Payment \$:
Detroit	MI 48203	Check #:
		Lab Comments/Special Instructions:
Date Sampled : 8 / 22 /	2	
-	Please Use Military Time, e.g. 3:00pm = 15:00	
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Client Name: Sooth wish	t Betráit Community	
Number: 313 - 7	182-4427	
PWS ID# (if applicable):	N/W	State Forms:
Sample ID or Source:	01-CF-03-F	Lab Sample Information:
Source Type: Spring	Well Municipal Surface	Date Received: V SEP 0 1,2016
Other:		Time Received: 11:12
City & State: Defroit	Different than Above)	Received By: Julius
Sample Collected By:	(Signature)	Sample receipt criteria decked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By:	Mehal Effers (Please Print)	
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